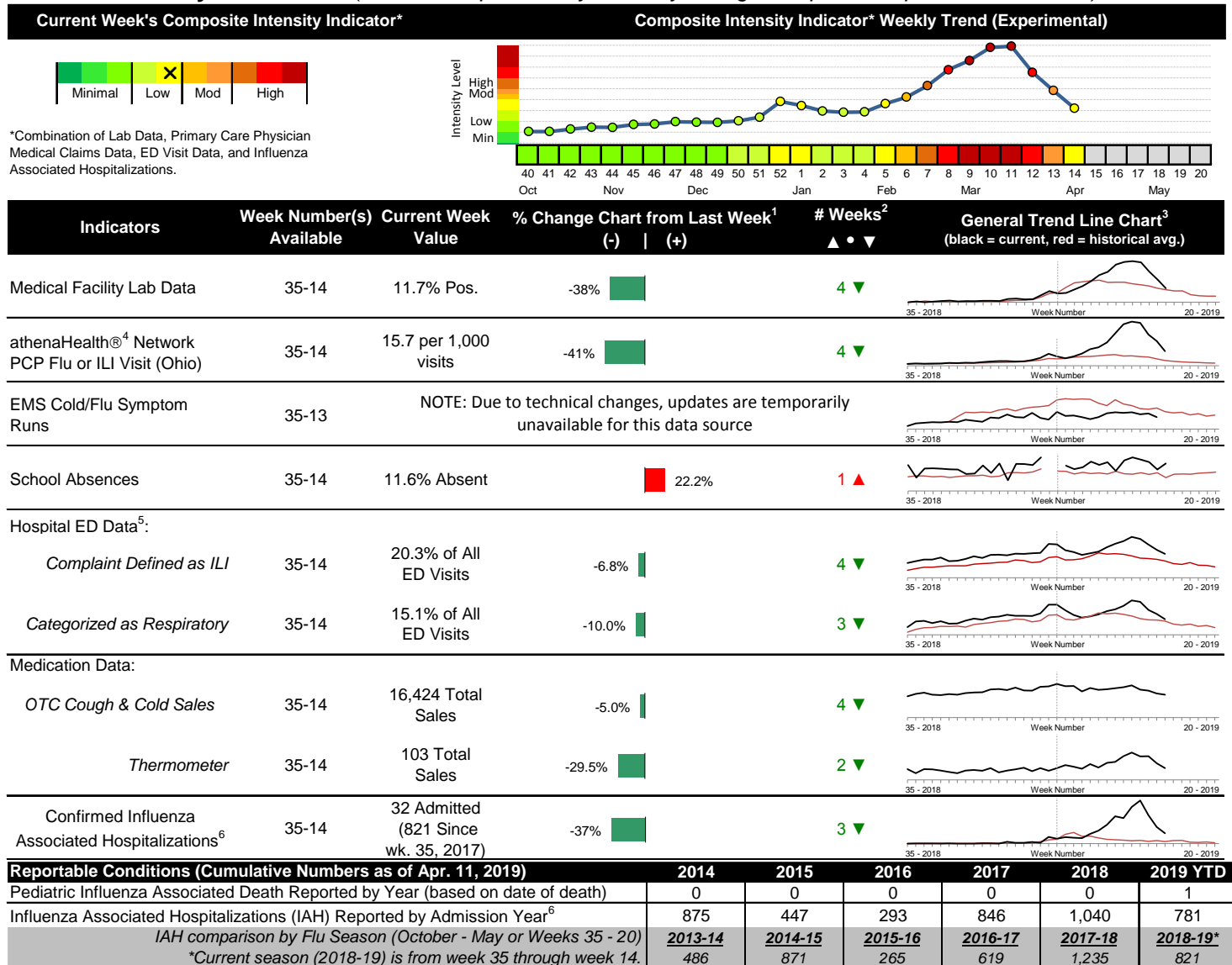


2018-2019 Columbus & Franklin County Seasonal Influenza Activity Weekly Summary (Week 14, Mar. 31st, 2019– Apr. 6th, 2019)

Highlights

- In week 14 of 2019, the majority of individual local flu activity indicator trend values decreased compared to the previous week. As a whole, flu intensity (composite indicator) decreased and is Low.
- Geographic spread and local intensity designation (Click [here](#) for definitions) = WIDESPREAD, LOW
- Local medical facility labs reported 1,977 tests run with 232 (11.7%) positive results for week 14 of 2019.
- The percentage of ED visits for both influenza-like-illness (ILI) and respiratory symptoms decreased compared to last week.
- In week 14 of 2019, trends for the majority of local over-the-counter medication category sales tracked decreased (decrease in cough and cold, electrolyte, thermometer, chest rub, pediatric anti-fever, and throat lozenge sales; increase in adult anti-fever sales) compared to last week.
- In the U.S., influenza activity decreased but remains elevated in the United States. Influenza A(H1N1)pdm09 viruses predominated from October to mid-February, and influenza A(H3N2) viruses have been more commonly identified since late February. Small numbers of influenza B viruses have also been reported. Please [visit the CDC website for specific information](#).

Local Flu Activity Dashboard (All data are preliminary and may change as updated reports are received.)



¹Interpret with caution. Indicators with small numbers subject to large weekly percentage fluctuations.

²Number of weeks "▲" = Increase (>2%), "▼" = Decrease (>2%), "●" = Stable (-2% to +2%).

³Black line is current years data. Based on data availability, red line is historical average (excluding pandemic year).

⁴Data Source: Medical claims data from athenaHealth® (www.athenahealth.com). Rate of Flu or ILI visits to Ohio (statewide) athenaHealth® network primary care practices/physicians. Claims data are subject to filing and processing time lags. Historical data are updated when they are received.

⁵Franklin County, OH residents only (based on zipcode). NOTE: Excludes one hospital system included in the past due to technical changes affecting visit classification assignment and numbers.

⁶Confirmed cases only. Based on jurisdiction equal to Franklin County or City of Columbus and admission date available in ODRS.

Influenza Morbidity and Influenza-Like Illness (ILI) Reports

In week 14, the preliminary Ohio¹ (statewide) influenza and influenza-like-illness (ILI) visit rate to athenaHealth® providers (15.7 per 1,000 visits) decreased compared to the previous week and is above its baseline average for the week (Figure 1). The week 14 percentage of all Emergency Department (ED) visits categorized as ILI decreased compared to the previous week (Figure 3) and is above its historic baseline for the week.

Nationally, during week 14 of 2019, 2.8% of patient visits reported through ILINet were due to influenza-like illness (ILI). The percentage is above the national baseline of 2.2% for week thirteen.

Laboratory Surveillance

During week 14 of 2019, reporting Franklin County sentinel medical facility laboratories tested 1,977 specimens, with 232 (11.7%) positive (Figure 4). The total number of tests done by local reporting labs from week 35 of 2018 through week 14 of 2019 is 56,713 with 9,356 (16.5%) positives (9,034 type A, 320 type B, 0 type A and B, 2 type unknown).

Nationally in week 14 of 2019, clinical laboratories reported 26,127 specimens tested for influenza viruses, 3,957 (15.1%) of which were positive (3,570 type A, 387 type B). Public health laboratories reported testing 1,090 specimens, 720 of which were positive (477 type A – of which 104 were A(H1N1)pdm09, 345 were H3N2, and 28 were not subtyped; 61 type B – of which 5 were Yamagata lineage, 40 were Victoria lineage, and 16 where lineage was not performed). Please visit the CDC website for more information, including cumulative data.

In week 14 of 2019, Ohio clinical labs reported 61,299 specimens tested for influenza this season thus far. Positive results include: (403) A(H1N1)pdm09; (508) A/H3N2; (9,408) Flu A Not Subtyped, and (158) Flu B (through 4/6/2019). In week 14 of 2019, ODH Public Health Lab reported 1,411 positive influenza tests from specimens sent by various submitters this season so far. Positive results include: (647) A(H1N1)pdm09; (610) A/H3N2; (7) Influenza B (through 4/6/2019). Please visit the ODH website for more information.

ED Respiratory Visits

In the 14th week of 2019, the percentage of all ED visits categorized as respiratory decreased compared to the percentage seen the previous week and is slightly above its baseline for the week (Figure 5).

Over-the-Counter (OTC) Medication Sales

In week 14 of 2019, trends for the majority of local over-the-counter medication category sales tracked decreased (decrease in cough and cold, electrolyte, thermometer, chest rub, pediatric anti-fever, and throat lozenge sales; increase in adult anti-fever sales) compared to last week.

Additional Influenza Activity Web Links:

Ohio Seasonal Flu Surveillance: <https://odh.ohio.gov>

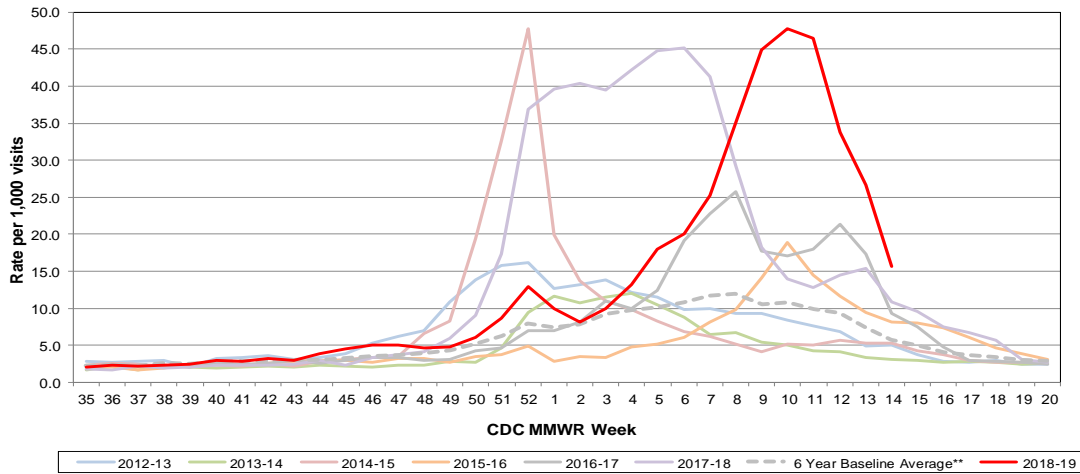
CDC National Seasonal Flu Surveillance Reports: <http://www.cdc.gov/flu/weekly/>

World Health Organization Situation Updates: http://www.who.int/influenza/surveillance_monitoring/en/

¹Note: County level athenaHealth® network primary care medical claims data is no longer available.

Columbus & Franklin County Influenza Monitoring Summary – Week 14, 2019 (3/31/2019-4/6/2019)

Figure 1: Ohio Outpatient Primary Care Provider Influenza or Influenza-Like-Illness Visit Rate*

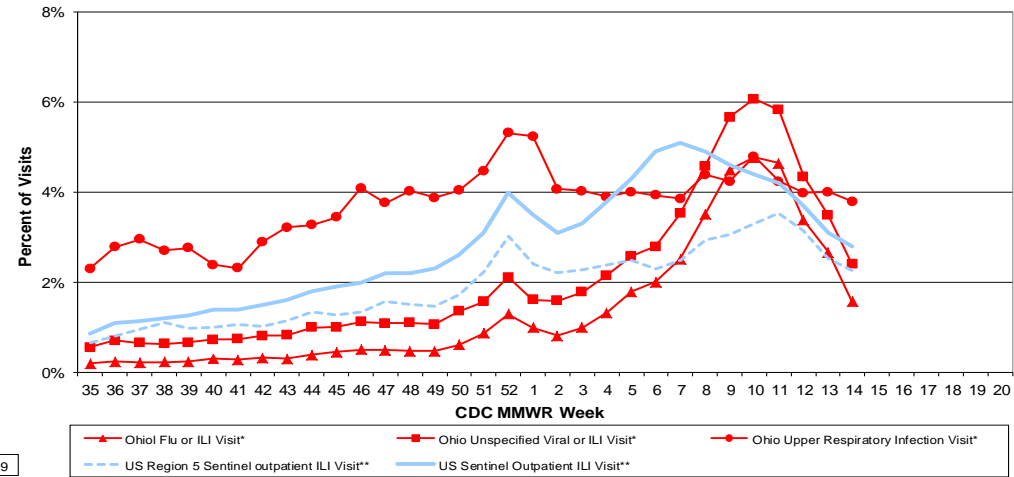


*Source: Ohio (Statewide) medical claims data from athenaHealth®

**Seasons: 2010-11, 2011-12, 2012-13, 2013-14, 2015-16, 2016-17

Note: athenaHealth® claims data are subject to filing and processing time lags. Historical data are updated when they are received.

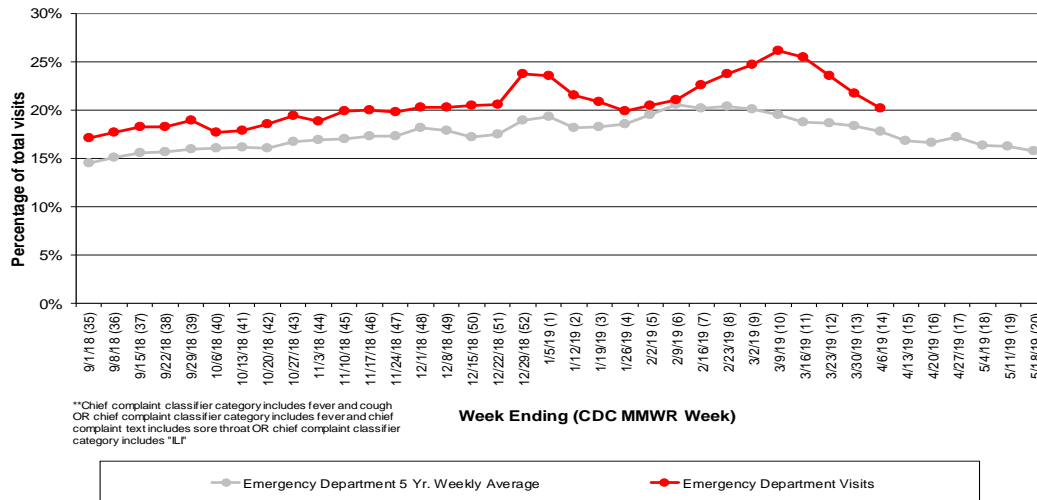
Figure 2: Percentage of Ohio Outpatient Participating Provider* and CDC National Outpatient Sentinel Health Care Provider visits for ILI and Associated Illnesses, 2018-19**



*Source: Ohio (statewide) medical claims data provided by athenaHealth®. Data are subject to filing and processing time lags. Historical data are updated when received.

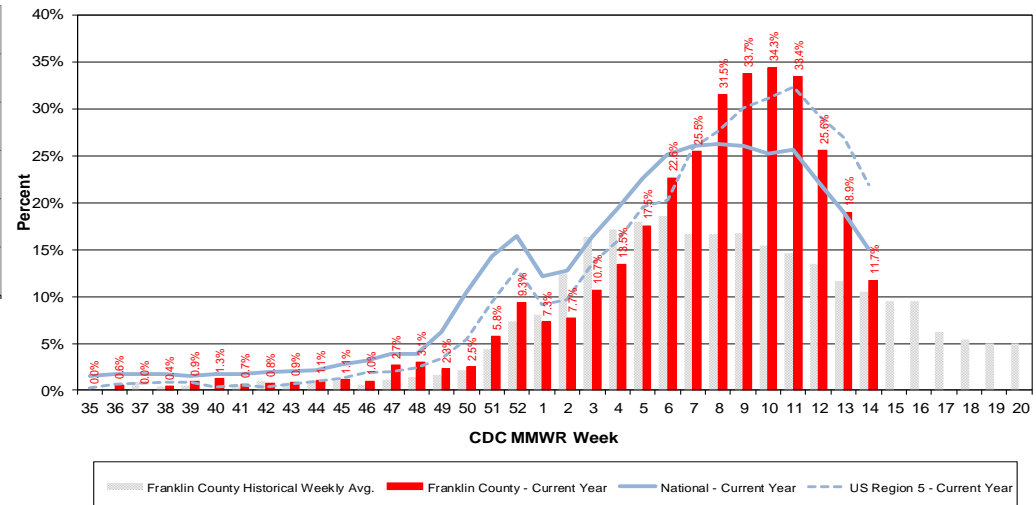
**Source: U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) sentinel provider visits.

Figure 3: Franklin County Resident ILI Defined ED Visits, 2018-19, Franklin County, OH**



**Chief complaint classifier category includes fever and cough OR chief complaint classifier category includes fever and chief complaint text includes sore throat OR chief complaint classifier category includes "ILI"

Figure 4: Percentage of Local Reporting and National Laboratory Positive Influenza Tests by Week, 2018-19



Columbus & Franklin County Influenza Monitoring Summary – Week 14, 2019 (3/31/2019-4/6/2019)

Figure 5: Franklin County Resident Respiratory ED Visits, 2018-19, Franklin County, OH

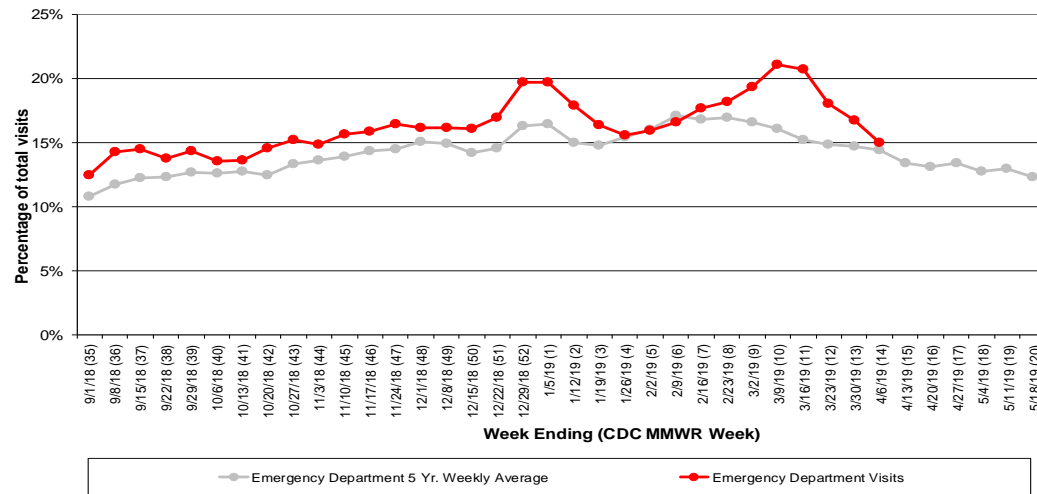


Figure 6: Selected Number of Over-the-Counter Medication Total Sales, 2018-19, Franklin County, OH

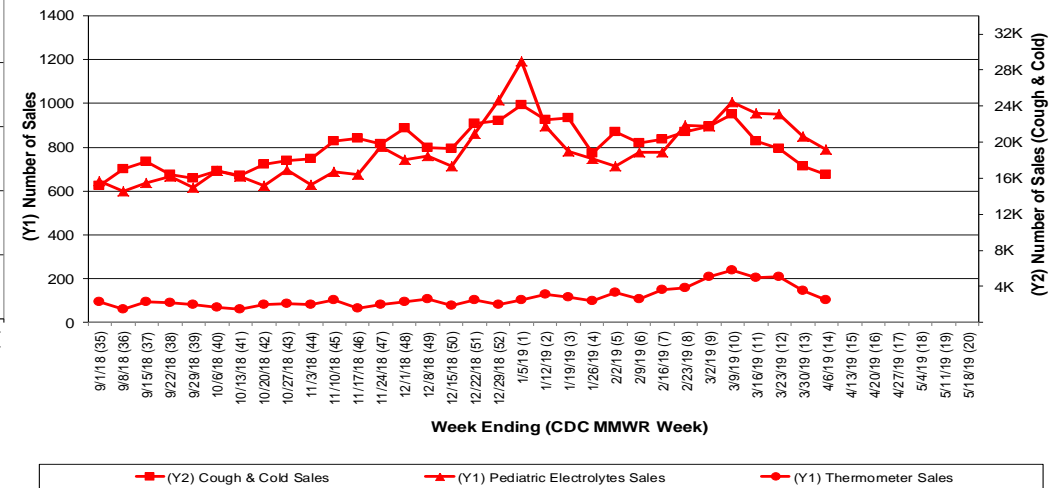
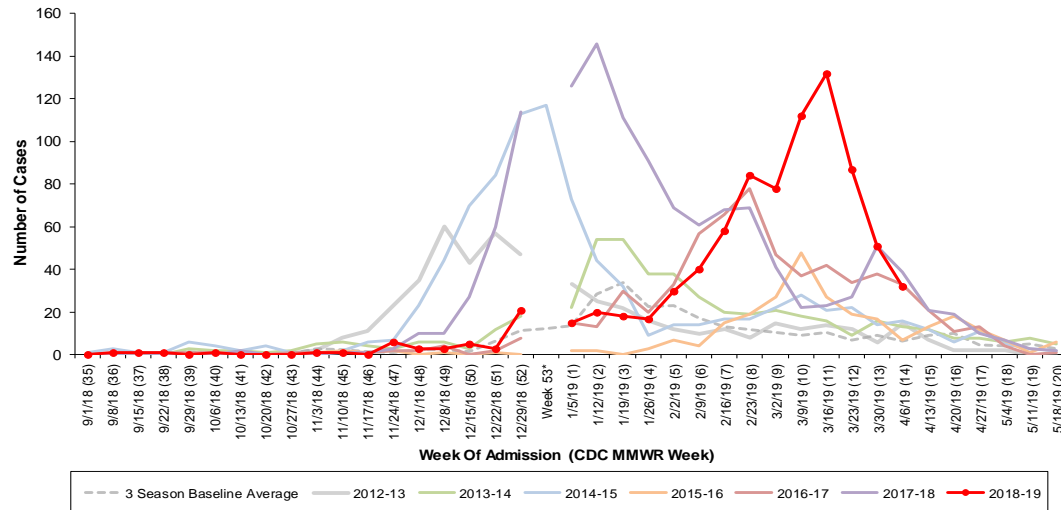


Figure 7: Columbus and Franklin County Jurisdiction Confirmed Influenza Associated Hospitalizations by Hospital Admission Week (As of 4/11/2019)



*Note: Certain years have a 53rd week (e.g., season 2014-15) based on CDC's MMWR Weeks.

Columbus and Franklin County, OH Jurisdiction Confirmed Influenza Hospitalization Cumulative Rates (per 100,000) by Age-Group and Admission Week, 2018-2019 Season

